

# SEQUENCE LISTING

5 <110> Hilbush, Brian S  
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 Quan, Jeanette

10 <120> Simplified Method For Indexing And Determining The Relative  
 Concentration Of Expressed Messenger RNAs

15 <130> 98-430  
 <140>  
 <141> 2001-02-01  
 <150> US 09/186,869  
 <151> 1998-11-04  
 <150> PCT/US99/23655  
 <151> 1999-10-14

20 <160> 41  
 <170> PatentIn Ver. 2.0

25 <210> 1  
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30 <222> 1  
 <223> Description of Artificial Sequence: synthetic primer (cDNA anchor  
 primer) wherein base 1 is a biotinylated adenosine residue.  
 <220>  
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35 <222> 77  
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 primer) wherein v can represent A, C, or G.  
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40 <222> 78  
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 primer) n can represent A, C, G, or T.  
 <220>  
 <221> misc\_feature

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 primer) n can represent A, C, G, or T.  
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50 tttttttttt ttttttvnn 79  
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 20 <222> 68  
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 <400> 2  
 25 atgaattctc tagagtctga gctccaccgc ggtagtactc actgcagttt tttttttttt 60  
 tttttvnn 68  
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 50 <223> Description of Artificial Sequence: synthetic primer (cDNA anchor primer) n can represent A, C, G, or T.  
 <400> 3  
 gaattcaact ggaagcggcc gcaggaagag ctccaccgcg gtagtactca ctgcagtttt 60

tttttttttt ttttvnn

77

<210> 4

<211> 48

5 <212> DNA

<213> Artificial Sequence

<220>

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10 <223> Description of Artificial Sequence: synthetic primer (cDNA anchor primer) wherein base 1 is a biotinylated guanosine residue.

<220>

<221> misc\_feature

<222> 46

15 <223> Description of Artificial Sequence: synthetic primer (cDNA anchor primer) wherein v can represent A, C, or G.

<220>

<221> misc\_feature

<222> 47

20 <223> Description of Artificial Sequence: synthetic primer (cDNA anchor primer) n can represent A, C, G, or T.

<220>

<221> misc\_feature

<222> 48

25 <223> Description of Artificial Sequence: synthetic primer (cDNA anchor primer) n can represent A, C, G, or T.

<400> 4

gaattcaact ggaagcggcc gcaggaattt tttttttttt tttttvnn

48

30 <210> 5

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

35 <223> Description of Artificial Sequence: 3' PCR primer

<400> 5

gagctccacc gcggt

15

40 <210> 6

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

45 <223> Description of Artificial Sequence: 3' PCR primer

<400> 6

gagctcgttt tcccag

16

50 <210> 7

<211> 65

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: one strand of double stranded adapter

<400> 7

5 atgaattcgg taccaattaa ccctcactaa agggacagct tatcatcgct cgagctcgac 60  
ggtat 65

<210> 8

<211> 67

10 <212> DNA

<213> Artificial Sequence

<220>

15 <223> Description of Artificial Sequence: other strand of double stranded adapter

<400> 8

cgataccgtc gagctcgagc gatgataagc tgtcccttta gtgagggtta attggtaccg 60  
aattcat 67

<210> 9

<211> 52

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<222> 1

<223> Description of Artificial Sequence: O1 (antisense strand); double stranded adapter wherein base 1 is a phosphorylated cytosine residue.

<400> 9

cgataccgtc gacctcgagg tccctttagt gagggttaat tggtagcgaa tt 52

<210> 10

<211> 50

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: O2 (sense strand); double stranded adapter

<400> 10

aattcggtag caattaaccc tcactaaagg gacctcgagg tcgacggtat 50

<210> 11

<211> 56

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<222> 1

<223> Description of Artificial Sequence: One strand of double stranded adapter wherein base 1 is a phosphorylated guanosine residue.

<400> 11  
gacccctcacc acagagcttc gaggtccctt tagtgagggt taattggtac cgaatt 56

5

<210> 12  
<211> 52  
<212> DNA  
<213> Artificial Sequence

10

<220>  
<223> Description of Artificial Sequence: One strand of double stranded adapter

15

<400> 12  
aattcgggtac caattaaccc tcactaaagg gacctcgaag ctctgtggtg ag 52

20

<210> 13  
<211> 52  
<212> DNA  
<213> Artificial Sequence

25

<220>  
<221> misc\_feature  
<222> 1  
<223> Description of Artificial Sequence: One strand of a double stranded adapter wherein base 1 is a phosphorylated cytosine residue.

30

<400> 13  
ctcaccacag agcttcgagg tccctttagt gagggttaat tggtagcgaa tt 52

35

<210> 14  
<211> 56  
<212> DNA  
<213> Artificial Sequence  
<220>  
<223> Description of Artificial Sequence: One strand of double stranded adapter

40

<400> 14  
aattcgggtac caattaaccc tcactaaagg gacctcgaag ctctgtggtg agcatg 56

45

<210> 15  
<211> 21  
<212> DNA  
<213> Artificial Sequence  
<220>

50

<223> Description of Artificial Sequence: Reverse transcriptase (RT) MN<sub>0</sub> primer  
<400> 15  
cagtctgagc tccaccgagg t 21



11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

<211> 20  
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5 <221> misc\_feature  
<222> 17, 18, 19, 20  
<223> Description of Artificial Sequence: synthetic primer (5' PCR N<sub>4</sub> primer)  
each n can represent A, C, G, or T.

10 <400> 20  
ctctgtggtg aggatcnmnnn 20

<210> 21  
<211> 19  
15 <212> DNA  
<213> Artificial Sequence  
<220>  
<221> misc\_feature  
<222> 19

20 <223> Description of Artificial Sequence: synthetic primer (5' PCR N<sub>1</sub> primer)  
each n can represent A, C, G, or T.

<400> 21  
25 agctctgtgg tgagcatgn 19

<210> 22  
<211> 20  
30 <212> DNA  
<213> Artificial Sequence  
<220>  
<221> misc\_feature  
<222> 17, 18, 19, 20  
<223> Description of Artificial Sequence: synthetic primer (5' PCR N<sub>4</sub> primer)  
each n can represent A, C, G, or T.

35 <400> 22  
ctctgtggtg agcatgnmnnn 20

40 <210> 23  
<211> 22  
<212> DNA  
<213> Artificial Sequence  
<220>

45 <221> misc\_feature  
<222> 22  
<223> Description of Artificial Sequence: synthetic primer (5' PCR N<sub>1</sub> primer)  
each n can represent A, C, G, or T.

50 <400> 23  
cctcgaggtc gacggtatcg an 22

<210> 24  
<211> 23

<212> DNA  
 <213> Artificial Sequence  
 <220>  
 <221> misc\_feature  
 5 <222> 20, 21, 22, 23  
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 each n can represent A, C, G, or T.  
  
 <400> 24  
 10 tcgaggtcga cggtatcgan nnn 23  
  
 <210> 25  
 <211> 30  
 15 <212> DNA  
 <213> Artificial Sequence  
 <220>  
 <221>  
 <223> Description of Artificial Sequence: synthetic primer (NF-κB extended  
 20 primer)  
 <400> 25  
 gatcgaatcc ggcccgcctg aatcattctc 30  
  
 <210> 26  
 <211> 12  
 <212> DNA  
 <213> Artificial Sequence  
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 30 <223> Description of Artificial Sequence: first stuffer segment of  
 anchor primer  
  
 <400> 26  
 35 agtactcact gc 12  
  
 <210> 27  
 <211> 14  
 <212> DNA  
 40 <213> Artificial Sequence  
 <220>  
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 anchor primer  
  
 <400> 27  
 45 agtactcact gcag 14  
  
 <210> 28  
 50 <211> 16  
 <212> DNA  
 <213> Artificial Sequence  
 <220>  
 <223> Description of Artificial Sequence: second stuffer segment of



anchor primer

<400> 28

gattgctacc tcagtct

16

5

<210> 29

<211> 16

<212> DNA

<213> Artificial Sequence

10

<220>

<221> misc\_feature

<222> 16

<223> Description of Artificial Sequence: synthetic primer (5' PCR N<sub>4</sub> primer)  
each n can represent A, C, G, or T.

15

<400> 29

gctcgacggt atcggn

16

20

<210> 30

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

25

<222> 15, 16

<223> Description of Artificial Sequence: synthetic primer (5' PCR N<sub>2</sub> primer)  
each n can represent A, C, G, or T.

30

<400> 30

ctcgacggtat tcggnn

16

35

<210> 31

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<222> 14, 15, 16

40

<223> Description of Artificial Sequence: synthetic primer (5' PCR N<sub>3</sub> primer)  
each n can represent A, C, G, or T.

45

<400> 31

tcgacggtat cggnnn

16

50

<210> 32

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<222> 12, 13, 14, 15, 16

<223> Description of Artificial Sequence: synthetic primer (5' PCR N<sub>5</sub> primer)  
each n can represent A, C, G, or T.

5 <400> 32  
gacggtatcgc gnnnnn 16

10 <210> 33  
<211> 16  
<212> DNA  
<213> Artificial Sequence  
<220>  
<221> misc\_feature  
<222> 11, 12, 13, 14, 15, 16  
15 <223> Description of Artificial Sequence: synthetic primer (5' PCR N<sub>6</sub> primer)  
each n can represent A, C, G, or T.

20 <400> 33  
acggtatcgcg nnnnnn 16

25 <210> 34  
<211> 16  
<212> DNA  
<213> Artificial Sequence  
<220>  
<221> misc\_feature  
<222> 16  
30 <223> Description of Artificial Sequence: synthetic primer (5' PCR N<sub>4</sub> primer)  
each n can represent A, C, G, or T.

35 <400> 34  
ggtcgacggt atcggn 16

40 <210> 35  
<211> 16  
<212> DNA  
<213> Artificial Sequence  
<220>  
<221>  
<222>  
<223> Description of Artificial Sequence: synthetic primer (5' RT primer).

45 <400> 35  
aggtcgacgg tatcgg 16

50 <210> 36  
<211> 59  
<212> DNA  
<213> Artificial Sequence  
<220>  
<221>

<222>  
<223> Description of Artificial Sequence: synthetic primer (5' ds primer).

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<210> 37

<211> 46

<212> DNA

10 <213> Artificial Sequence

<220>

<221>

<222>

15 <223> Description of Artificial Sequence: synthetic primer (3' ds primer).

<400> 37

cagcggataa caatttcaca cagggagctc caccgcggtg gcggcc 46

<210> 38

20 <211> 23

<212> DNA

<213> Artificial Sequence

<220>

<221>

25 <222>  
<223> Description of Artificial Sequence: synthetic primer (5' sequencing primer).

<400> 38

30 cccagtcacg acgttgtaaa acg 23

<210> 39

<211> 19

<212> DNA

35 <213> Artificial Sequence

<220>

<221> misc\_feature

<222> 19

40 <223> Description of Artificial Sequence: synthetic primer (3' sequencing primer) wherein v can represent A, C, or G.

<400> tttttttttt ttttttttv 19

45 <210> 40

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

50 <221>

<222>

<223> Description of Artificial Sequence: synthetic primer (3' sequencing primer).

<400> 40  
ggtggcggcc gcaggaattt tttttttttt ttttt

25

5 <210> 41  
<211> 16  
<212> DNA  
<213> Artificial Sequence  
<220>

10 <221> misc\_feature  
<222> 15, 16  
<223> Description of Artificial Sequence: synthetic primer (5' PCR N<sub>2</sub> primer)  
each n can represent A, C, G, or T.

15 <400> 41  
gtcgacggta tcggnn

16